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THE

AMERICAN SOCIETY

FOR THE ENCOURAGEMENT OF

ARTS, MANUFACTURES, AND COMMERCE.

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"L'UNION FAIT LA FORCE."  
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NEW YORK :
PRINTED BY THE SOCIETY.

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1875.

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~~Dr.~~ Prof. Henry C. Bolton A.M. Ph.D.
City of New York

County of do do

State of do do

Nominated for Membership Feb. 17th 1845

Elected as provided do 23rd do

THE
AMERICAN SOCIETY
FOR THE ENCOURAGEMENT OF
Arts, Manufactures, and Commerce.
COUNCIL, 1875.

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THE PRESIDENT OF THE UNITED STATES, *ex officio*.

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SOCIETY ROOMS,
64 MADISON AVENUE, NEW YORK.

THE AMERICAN SOCIETY OF ARTS.

WHILE in Europe there are many learned societies pursuing a course of steady usefulness in recording year after year the added facts in science, exposing old errors, and accumulating most valuable material for the future investigator, in America we possess comparatively few in number, without definite concert in action, and just awakening to a realization of the magnitude of scientific truths which the Associations of the Old World, each in its own field of usefulness, have been able to collate and preserve.

The American societies which are at present most vigorous and active in their special departments of human thought and knowledge are the counterparts of those English progenitors whose long-recorded years of experience have proved them to be the most useful to their members, and of the greatest value to their contemporaries.

Casting a glance at the scientific institutions of London alone, we find twenty to thirty of what may be called *leading* societies, all of which are in successful operation, generally well endowed, and owning or controlling their respective halls. Among them we may particularize the Royal Society, Royal Institution, Society of Arts, Institution of Civil Engineers, Chemical Society, Department of Science and Art, London Institution, Birkbeck Institute, Gresham Lectures, Society of Telegraph Engineers, Museum of Practical Geology, British Association, Statistical Society, Royal Geographical Society, Entomological Society, Society of British Architects, Institute of Surveyors, Medical Society, Victoria Institution, Pathological Association, Society of Biblical Archaeology, Zoological Society, Sculptors of England, Microscopical Society, Astronomical Society, and the Literary and Artistic Society, all of which, besides many societies equally recognized, though perhaps not so prominent, are daily adding to their stores of acquired scientific knowledge.

But few institutions among the above can compare their records in English history with the position accorded to the SOCIETY FOR THE ENCOURAGEMENT OF ARTS, MANUFACTURES, AND COMMERCE, to whose happy inception much credit in the advancement of England's commerce and manufactures is actually due; and though, in its primary organization, proposed as a special encouragement of the arts alone, yet the steady growth and complete success

in this particular branch soon extended its aims and advanced its sphere of usefulness to wider fields.

While it would be a work of supererogation to trace the life of the society in each detail of its progress, since its history has been already so ably written by Mr. Davenport, the efficient and popular financial officer of the Society, yet an epitome of the scope and objects of the parent association is here presented, together with a list of the present Council and Officers of the British Society for its 120th Session.

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THE SOCIETY OF ARTS.

The Society of Arts was founded in 1754, and incorporated by Royal Charter, in 1847, for "The Encouragement of the Arts, Manufactures, and Commerce of the Country, by bestowing rewards for such productions, inventions, or improvements as tend to the employment of the poor, to the increase of trade, and to the riches and honor of the kingdom; and for meritorious works in the various departments of the Fine Arts; for Discoveries, Inventions, and Improvements in Agriculture, Chemistry, Mechanics, Manufactures, and other useful Arts; for the application of such natural and artificial products, whether of Home, Colonial, or Foreign growth and manufacture, as may appear likely to afford fresh objects of industry, and to increase the trade of the realm by extending the sphere of British commerce; and generally to assist in the advancement, development, and practical application of every department of science in connection with the Arts, Manufactures, and Commerce of this country.

The following may serve to indicate the varied nature of the Society's operations. So early as the middle of the last century, its efforts were directed to improving Agricultural implements; raising, planting, and preserving timber; improving the culture of most kinds of corn and grass seeds, and the introduction of new root crops; also the reclamation of large tracts of land from the sea, thus extending the means of producing food for the people. In applied Chemistry and Metallurgy it collected much information relative to improvements in dyeing and tanning, the make of crucibles and retorts, the discovery of cobalt, zaffre, and smalt, and the manufacture of iron, copper, and tin; in Manufactures it has given to the world many improvements, such as the loom for weaving fish-nets, spinning-machines, the make of Persian carpets, druggets, cambric, lace, and various kinds of paper. It erected the first saw-mill used in this country, and has introduced many improvements in ship-building, the diving-bell, floating-lights, the construction of cranes and jacks, and manufacturing machines and tools in general.

In the English Colonies the Society has been instrumental in establishing Botanic Gardens, thereby aiding the importation and production of the spices, fruits, and gums of Foreign Countries, and their more general introduction into Commerce. It has also been the means of introducing many new substances, such as gutta-percha, cocoa-nut oil, etc., thereby creating new sources of trade.

Among the important but less known works of the Society may be mentioned the establishment of a regular supply of Fish to the London

market; upon this work the Society expended many thousands of pounds.

In the Fine Arts the Society not merely encouraged the study of Art at a period prior to the existence of the Royal Academy and Government Schools, but, by allowing artists to make collections of their works, and to exhibit them in the Society's Rooms, in 1760, it thereby established permanent Exhibitions of Art, out of which grew the present Royal Academy. Among the names of those rewarded by the Society in their youth will be found Flaxman, Bacon, Nollekens, Uwins, Landseer, Mulready, Ross, Eastlake, Millais, and other leading Artists.

Since its incorporation by Royal Charter in 1847, by holding smaller Industrial Exhibitions, the Society prepared the way for the first Great International Exhibition, held in 1851, which was originated by the Society under the presidency of His Royal Highness the Prince Consort. The Society at first entered into an agreement with contractors to carry out the undertaking, but subsequently applied to Her Majesty to issue a Royal Commission—a petition which was graciously acceded to. The more recent action of the Society, in reference to the International Exhibition of 1862, is well known. It raised a Guarantee Fund of £450,000, to meet the expenses of the undertaking, and nominated the Commissioners, who were afterwards appointed by Her Majesty. The Society is also co-operating with Her Majesty's Commissioners for the Exhibition of 1851 in promoting the present Series of Annual International Exhibitions at South Kensington.

The Artistic Copyright Act of 1862 was prepared and carried through Parliament by a committee of the Society; and the amendment of the Laws bearing upon Industry and Commerce, especially the Patent Laws, the improvement of the Dwellings of the Laboring Classes, and the education of the workman, have at various times occupied its attention; but Arts, Manufactures, and Commerce—the objects which it was established to promote—afford so wide a field of investigation that the nature of the Society's action, and its method of carrying out the objects of its founders, can only be fully known to those who take a continued interest in the Society itself.

Meetings of the Society.—The Session commences in November and ends in June. At the Wednesday Evening Meetings during the Session, papers on subjects relating to inventions, improvements, discoveries, and other matters connected with the Arts, Manufactures, and Commerce of the Country are read and discussed, full reports of them being given in the *Weekly Journal* published by the Society. These meetings are free to Members of the Society, who are entitled to admit *two* friends to each meeting.

Cantor Lectures.—In addition to the Wednesday Evening Meet-

ings, courses of Lectures, entitled "Cantor Lectures," are delivered on subjects bearing upon the Arts, the Applied Sciences, Commerce, and Industry. These Lectures are free to Members of the Society, who are entitled to admit *two* friends to each Lecture.

India Conferences.—During the Session, Conferences are held upon subjects connected with our Indian Empire. Members are entitled to attend these meetings, and to introduce *two* friends on each occasion.

Journal of the Society of Arts.—This *Journal*, which is sent free to Members, is published weekly, and contains, in addition to the Reports of the Society's Proceedings, Reports of the Institutions in Union, and a variety of information connected with Arts, Manufactures, and Commerce. The *Journal* is also the official organ of the Annual International Exhibitions.

Library and Reading-Room.—The Library and Reading-room are open to Members, who are also entitled to borrow books.

Conversazioni are held, to which the Members are invited, each Member receiving a card for himself and lady.

Membership.—The Society consists of upwards of three thousand members. The Annual Subscription is Two Guineas, or a Life Subscription of Twenty Guineas may be paid.

SOCIETY OF ARTS' UNION OF INSTITUTIONS.

— The Society's Union of Institutions was established on the 8th May, 1852, and comprises several district Unions and a large number of Literary and Scientific Institutions, Athenæums, Mechanics' Institutes, People's Colleges and Clubs, Philosophical Societies, etc., in the United Kingdom and in the Colonies.

Any Institution desirous of entering into union with the Society of Arts must fill up, sign, and return to the Secretary a printed form of Declaration (which will be forwarded on application), accompanied with a copy of its rules. When this form has been approved by the Council, the Institution is taken into the Union. The subscription is two guineas annually, and may be paid in either of the two following ways: The President or any other analogous officer of the Institution may be elected a member of the Society of Arts; or the Institution may contribute the two guineas from its own funds. In the former case, the gentleman so selected will enjoy all the privileges of a member, and will, at the same time, give to his own Institution, as long as he continues to hold office in it, the advantages of the Union; in the latter case the Institution itself will receive the advantages of the Union.

The managers of Village Libraries, Village Reading-rooms, Village Lectures, and Evening Schools, etc. (not being fully constituted Institutions), in connection with any District Union that is in union with the Society of Arts, may obtain the advantages of union with the Society in consideration of the payment of £2 2s. from the District Union; but the Society relies on the officers of the District Unions for a careful discrimination of those bodies which ought, from those which ought not, to be expected to subscribe separately, for the advantages of union with the Society of Arts, and the Council reserves the power of reconsidering the arrangements, if it should be found that bodies not contemplated herein avail themselves of this privilege.

DESIGN OF THE AMERICAN SOCIETY.

The desirability of a similar Association for this country has long been urged by those persons most familiar with the success of the British institution.

The prominent feature of a weekly *Journal*, wherein is recorded all transactions, and furnishing to each member advance notice of the subject to be presented and discussed, while members necessarily absent can be represented by selected friends, is of special import in our extensive country.

To these advantages are added the fact that the scope of the lectures extends over those subjects which directly concern the economic application and cumulative knowledge of the applied sciences, and are not confined to the special scientific theories or practice ordinarily presented before their respective technological associations.

In order to establish an institution thoroughly in harmony with the London Society, a memorial was duly addressed to the Council of that body, who have signified their hearty co-operation, and furnished the detailed information essential for the direction of the present Society.

The objects of the American Society, like its English prototype, are the encouragement of the arts, manufactures, and commerce in the United States, and the development of national prosperity;

(1) By giving honorary or pecuniary rewards for the communication to the Society, and through it to the public, of all such successful inventions and discoveries as tend to the promotion of its art, manufacturing, and commercial supremacy.

(2) For the purpose of promoting friendly relations and exchange of views between different scientific institutions and their members, and also with those persons whose intelligence and active usefulness accord them prominence among their fellows, yet whose pursuits have

not attached them to any exclusively scientific or technological associations.

(3) To promote and encourage all exhibitions where attention is called to new processes, scientific inventions, or useful discoveries.

(4) To hold regular meetings on Tuesday evenings of each week to read and discuss papers on subjects relating to inventions, improvements, discoveries, and other matters connected with the arts, manufactures, and commerce of the country.

(5) To provide courses of lectures on other evenings of each week on subjects bearing on the Applied Sciences in their relation to the arts, commerce, and industries, and also to advance technological education by a system of examinations and rewards.

(6) To hold conferences each session on subjects connected with the development of our immense mineral and agricultural wealth.

(7) To issue each week the *Journal* of the Society, wherein is published the papers, discussions, and reports of the Society, and other useful information connected with its objects.

(8) To provide a Library and Reading-room for the accommodation of its resident members, and a place of rendezvous and address for those members temporarily in the city.

(9) By the system of co-operation, so successful in England, to increase the diffusion of knowledge by the supply of books, periodicals, and other essential articles to the members at a large discount from the usual retail price, similarly to the advantages given by the London Society.

(10) To hold occasional *conversazioni* as reunions for its members, and receptions to distinguished persons.

Each of the regular Tuesday evening scientific and conference meetings are free to members, who are also entitled to admit by ticket *two* friends to each lecture.

The *Journal* of the Society is also sent free to each member weekly.

For the *conversazioni* each member is entitled to one ticket, admitting himself and ladies.

In addition to the arrangements effected whereby each member can purchase or subscribe for any book or periodical through the Society at the trade price of such publications, propositions have been made to the Council by a number of prominent firms in various branches of useful and ornamental trade, proposing to extend to the members a considerable discount from the usual retail prices. The only condition being that the Society shall exclusively recommend the members to deal with such firms in their respective lines.

This has its successful precedent in the action of the larger London houses towards the Civil Service Association; and when it is considered that the patronage of the entire members would be an im-

mense trade in itself, the fact is clearly evident that it possesses most beneficial advantages for both buyer and seller. In no case, however, can an officer of the Society reap any pecuniary benefit from orders.

Save in the last-mentioned pecuniary advantage to members and in the number of the Council, the organization, rules, and by-laws of the parent Society have been closely followed, believing that over a century of experience has left little to improve.

In the Council an increase has been unavoidable, the demand for representation from the various sections of our extensive territory having obliged twice the number governing in London.

Among those gentlemen selected for the first year will be found many eminent in their respective callings, carefully chosen to represent American professions and industries in the institutions of either hemisphere with credit to themselves and their Society.

The most cordial relations exist between this Society and its London progenitor. All of the prizes and rewards of either association will be duly advertised for the competition of the members of the other organization, and all privileges of membership, except that of voting, will be available in the United States for any member of the English Society of Arts, properly accredited as such; and members of this Society who propose visiting Europe can obtain letter credentials and introductions to the Secretary of the London Society of Arts.

In presenting the Society to the attention of members, especial notice is called to the non-sectarian and liberal platform upon which its objects and aims are based, while its admirable adaptation to the wants of our yet comparatively undeveloped country will be readily perceived.

At the evening meetings during the session, papers on subjects relating to inventions, improvements, discoveries, and other matters appertaining to the objects of the Society are read and discussed, full reports of them being given in the *Journal*. The proposed schedule is as follows:

Ordinary Meetings: Tuesday evenings, at 8 o'clock:

Mar. 2, 9, 16, 23, 30.

April 6, 13, 20, 27.

May 4, 11, 18, 25.

June 1, 8, 15, 22, 29.

CONVERSAZIONE.

The Annual Conversazione will be held early in January, and a card of invitation will be issued to each member.

TECHNOLOGICAL EXAMINATIONS.

The programme for these Examinations is in preparation and will shortly be issued. It will include twelve subjects, viz. : Paper Manufacture, Cotton Manufacture, Silk Manufacture, Steel Manufacture, Carriage-Building, Cloth Manufacture, Glass-Making, Pottery and Porcelain, Gas Manufacture, Silk and Woollen Dyeing, Calico Bleaching, Dyeing and Printing, and Alkali Manufacture. The General Examinations for Technical Education under the Examining Boards, and the scheme for Scientific and Juvenile Lectures, will be issued in due course.

 SECTIONS.

The Council desiring to establish permanent departments with competent officers, who may investigate and report on the progress of new discoveries calculated to promote new industries in connection with various branches of the applied sciences, thereby affording an increased amount of information and advantage to the people in general, present the accompanying list of sections, and hope that, by a large increase in the number of members, they may secure such an augmented income to the Society as will assist them in carrying out a further development of the sectional action.

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Chairman.

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Secretary.

PROF. FRANK STORER.

BUILDING AND CONSTRUCTION.

Chairman.

CHARLES McDONALD, C.E.

Secretary.

GEORGE LEVERICH, C.E.

CHEMISTRY, APPLIED.

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Chairman.

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Secretary.

JOHN V. WHEELER.

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Chairman.

PROF. E. C. H. DAY.

Secretary.

HENRY NEWTON, E.M.

MUSIC.

Chairman.
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CHARLES J. MOORE.

EDUCATION.

Chairman.
PROF. WM. H. CHANDLER.

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LITERATURE AND ART.

Chairman.
ROBERT HOE, JR.

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AMERICAN

SOCIETY FOR THE ENCOURAGEMENT

OF

ARTS, MANUFACTURES, AND COMMERCE,

NEW YORK CITY.

CONSTITUTION AND BY-LAWS.

NEW YORK :

PRINTED BY THE SOCIETY.

—

1875.

ABSTRACT OF THE CHARTER.

THE Encouragement of Arts, Manufactures, and Commerce of the country, by bestowing rewards for such productions, inventions, or improvements as tend to the employment of the poor, to the increase of trade, and to the riches and honor of the country ; and for meritorious works in the various departments of Fine Arts; for Discoveries, Inventions, and Improvements in Agriculture, Chemistry, Mechanics, Manufactures. and other useful Arts; for the application of such natural and artificial products, whether of Home or Foreign growth and manufacture, as may appear likely to afford fresh objects of industry; and to increase the trade of the United States by extending the sphere of American Commerce ; and generally to assist in the advancement, development, and practical application of every department of science in connection with the Arts, Manufactures, and Commerce of the country.

The Society to form one body politic and corporate, by the name of "THE AMERICAN SOCIETY FOR THE ENCOURAGEMENT OF ARTS, MANUFACTURES, AND COMMERCE," and by such name to have—

Perpetual Succession.

A Common Seal.

Power to sue and be sued.

Power to purchase, receive, possess, hold, and enjoy any goods and chattels whatsoever; and also to take, purchase, possess, hold, and enjoy a Hall or House, and any Lands, Tenements, or Endowments whatsoever, the yearly value of which, including the site of the said Hall or House, not to exceed in the whole the sum of \$50,000.

Authority to all and every person or persons, bodies politic and corporate, to grant, sell, alien, and convey in mortmain to the said Society any lands, tenements, or endowments not exceeding such annual value as aforesaid.

The whole property of the Society is vested absolutely in the members thereof, with full power to sell, charge, or dispose of the same as they shall think proper; but no sale, mortgage, or encumbrance, or other disposition of any lands, tenements, or endowments of the Society shall be made, except with the approbation and concurrence of a General Meeting.

There shall be a Council to manage the affairs of the Society, with full power, subject to the Charter and By-Laws, to do all such acts and deeds as shall appear to them necessary or essential to be done for the purpose of carrying into effect the objects and views of the

Society, rendering to a General Meeting an account of their proceedings.

There shall be a President, Vice-Presidents, and two Treasurers, and the Council shall consist of the President, the Vice-Presidents, the Treasurers, and not more than forty nor less than twenty other members of the Society.

A General Meeting to be held once in the year or oftener, to choose the President, Vice-Presidents, the Treasurers, and other members of the Council.

Power to hold General Meetings from time to time to make By-Laws, comprising the following objects :

1. The regulation of the Society. 2. The admission of Members.
3. The management of the estates, goods, and business of the Society. 4. Fixing and determining the number of Vice-Presidents and other members of the Council, and the time and manner of electing the President, Vice-Presidents, Treasurers, and other members of the Council, and the period of their continuance in office.

General Meetings to have power to alter, vary, or revoke such By-Laws, and to make such new and other By-Laws as they shall think most useful and expedient, so that the same be not repugnant to the Charter, or to the laws and statutes of the United States. Also, to enter into any resolution and make any regulation respecting any of the affairs and concerns of the Society that shall be thought necessary and proper.

Questions at General Meetings, and at meetings of the Council, to be determined by a majority of members present, the person presiding having, in case of an equality of numbers, a second or casting vote.

Lawful for every member to examine the accounts of the receipts and payments of the Society.

The service of the President, Vice-Presidents, Treasurers, and members of the Council to be honorary ; and no dividend, gift, division, or bonus in money to be made out of the funds of the Society unto or between any of its members.

B Y - L A W S.

I.—THE PRESIDENT.

1. The President shall be elected annually.

II.—THE VICE-PRESIDENTS.

2. The number of Vice-Presidents shall not exceed twenty, and they shall be elected annually.

III.—THE TREASURERS.

3. The Treasurers shall be elected annually.
4. They shall have the custody of the Common Seal.
5. All moneys, except investments, and except a sum not exceeding one hundred dollars, shall be kept at the bankers of the Society, in the joint names of the two Treasurers, who shall thereout, by checks on such bankers, signed by either of them, and countersigned by the Secretary, discharge such liabilities of the Society as shall severally exceed twenty-five dollars.
6. No checks shall be drawn without a previous vote of the Council.
7. All receipts shall be signed by one of the Treasurers.

IV.—THE COUNCIL.

8. The Council shall consist of the President, the Vice-Presidents, the Treasurers, and not more than forty other members of the Society. *The Council of the London Society of Arts shall be ex-officio honorary Council of the American Society.*

9. It shall, at its first meeting, elect, by ballot, a Chairman.

10. The Chairman of the Council shall deliver an address to the Society at its first Ordinary meeting after his election, declaratory of the policy which the Council proposes to follow during its year of office.

11. The Council shall nominate all committees.

12. The Chairman shall be *ex-officio* a member of all committees.

13. It shall be the duty of the Council to prepare the balloting-list in the manner hereinafter provided and directed by the by-laws.

14. A Special Meeting of the Council shall be called by the Secretary on the requisition of the Chairman, of a Treasurer, or of any three members thereof.

15. At all meetings of the Council three shall be a quorum, except when otherwise directed by these by-laws.

16. The Common Seal of the Society shall not be affixed to any deed or instrument, except by the authority of a previous order or resolution of the Council, and in the presence of the Chairman or one of the Treasurers and of the Secretary.

17. No order or resolution for affixing the Common Seal to any deed or instrument shall be valid unless made or passed at a meeting of the Council specially summoned for the purpose, at which not less than six members of the Council shall be present.

18. The Council shall have the power to suspend the Secretary or Financial Officer from his duties.

19. The Secretary or Financial Officer shall be dismissed only by a vote of a general meeting on the report of the Council, which shall alone be competent to convene such meeting.

20. The Assistant Secretary shall be appointed by the Council.

V.—THE AUDITORS.

21. There shall be two Auditors of Accounts.

22. The Auditors shall examine the accounts of the Society, and call for such vouchers and receipts or other information with respect to them as they may think fit, and shall examine the Annual Statement of Receipts, Payments, and Expenditure, and of assets and liabilities, and report thereon to the Annual General Meeting.

23. The Auditors may attend the meetings of the Council.

VI.—THE SECRETARY.

24. There shall be a paid Secretary, elected annually, and an Assistant Secretary, if necessary, who shall be members of the Society.

25. The Secretary, or the Assistant Secretary, if required, shall attend all meetings of the Society, the Council, and the Committees, and discharge all duties which usually appertain to the office of Secretary.

26. The Secretary shall issue all the notices of meetings, and shall prepare, under the direction of the Council, an Annual Report of the state of the Society.

27. He shall also have the charge of the house, furniture, library, pictures, papers, models, and other effects belonging to the Society, and be bound to keep a correct inventory thereof.

28. He shall lay before the Council all communications addressed to the Society, and, under the direction of the Council, shall conduct the correspondence and business of the Society. He shall *ex-officio* be the responsible Editor of the Society's *Journal*, and shall superintend through the press all papers printed by order of the Council.

VII.—THE FINANCIAL OFFICER.

29. There shall be a Financial Officer, elected annually, who shall be a member of the Society.

30. He shall give security, to the satisfaction of the Council, for the faithful discharge of his duties.

31. He shall collect the subscriptions and other moneys from the members as they become due, and shall pay the same into the Society's bankers wherever they shall amount to one hundred dollars, and report such payments to the next meeting of the Council.

32. He shall attend at all meetings of the Society, and shall superintend the ballot for members.

33. He shall attend the meetings of the Council when required.

34. He shall prepare lists of those members whose subscriptions are in arrear, and report the same to the Treasurers.

35. He shall, under the direction of the Treasurers, keep the accounts of the Society.

VIII.—COMMITTEES.

36. The Council shall proceed, as soon as convenient after the Annual General Meeting, to form lists of those who may be considered specially eligible to serve with others on such Committees of reference as may be appointed from time to time. To these Committees the Council may refer for examination, advice, and report such discoveries, inventions, improvements, and novelties in Arts, Manufactures, and Commerce, and other matters as shall from time to time be brought under its notice. The names of the members so selected to serve on the several Committees of reference shall be published in the *Journal* of the Society, and due notification of the Council's desire to obtain their co-operation and advice shall be given to each member.

37. The Council shall from time to time nominate such other Committees as may be necessary, or establish special sections.

38. No act, order, or resolution of any Committee shall bind the Society, unless it be done or made by the direction and authority of the Council, or be ratified by them.

39. It shall be competent for the Council to invite the co-operation of persons not members of the Society, but who are eminent in Arts, Manufactures, and Commerce, and in the applications of Science to their development, and to associate such persons with the Committees of reference.

IX.—THE ANNUAL GENERAL MEETING.

40. There shall in every year be held one General Meeting of the Society, to be called the Annual General Meeting.

41. This Meeting shall be held on the last Tuesday in February

of each year, and the chair shall be taken at four o'clock in the afternoon.

42. At this Meeting the Council shall render to the Society a full account of all their proceedings and a statement of the funds of the Society, and of the receipts, payments, and expenditure during the past year; and a copy of such statement shall be published in the *Journal* of the Society on the Friday before such General Meeting.

43. At this Meeting the President, the Vice-Presidents, the Treasurers, with the other Members of Council; the Auditors, the Secretary or Secretaries, and the Financial Officer, shall be elected in the manner and form laid down in Sec. XVII.

44. At this Meeting there shall be no election of Members or any other business whatever transacted other than that specially appointed by these By-laws, unless notice thereof in writing, containing a clear statement of the business to be proposed, signed by two members, shall be delivered to the Secretary two days before such meeting.

45. Notice of the holding of the Annual General Meeting shall be given in the Society's *Journal* and in one of the Morning Papers.

46. The Council shall have power to hold the Annual General Meeting on the next or next but one following Tuesday in March, at the same hour, should they consider it necessary to do so. But in such case they shall give seven clear days' notice of such Annual General Meeting twice in two of the Morning Papers of general circulation, and also in the Society's *Journal*.

47. None but Members, Officers of the Society, or persons specially invited by the Council, shall be permitted to be present at the Annual General Meeting.

48. At this Meeting the chair shall be taken by the President, or the Chairman of Council, or one of the Vice-Presidents.

X.—GENERAL MEETINGS.

49. At General Meetings the chair shall be taken by the President, or in his absence by one of the Vice-Presidents, or by the Chairman of the Council, or by some member to be chosen by the meeting.

50. The Council may convene a General Meeting for any special purpose whenever they think necessary.

51. The Council shall convene a General Meeting, for a special purpose, upon a requisition to that effect signed by not less than twelve Members of the Society.

52. Notice of every General Meeting, for a special purpose, and of the purpose for which it is convened, shall be hung up in the Society's room seven days previous to the holding thereof, and advertised during that interval in the Society's *Journal* or elsewhere.

53. No business shall be transacted at a General Meeting for a special purpose other than that for which it shall have been convened.

54. No Member whose subscription is in arrear shall be entitled to be present, debate, or vote at any General Meeting.

55. Motions made at General Meetings of the Society shall be in writing, and signed by the mover and seconder.

XI.—OF THE SESSION AND ORDINARY MEETINGS.

56. The Session shall commence on the third Wednesday in November, and shall end on the last Wednesday in June.

57. There shall be Ordinary Meetings of the Society on every Tuesday evening, at eight o'clock, during the Session, unless otherwise directed by the Council.

58. At each of the Ordinary Meetings, a paper or papers on some one or more subject or subjects relating to inventions, improvements, discoveries, and other matters connected with Arts, Manufactures, or Commerce, or the encouragement thereof, shall be read and discussed.

59. No decision on the merits of the papers so read shall be taken at the Meetings.

60. No business of any kind, other than foregoing, shall be transacted at such Ordinary Meetings, except the proposition of candidates and the election of Members.

61. No paper shall be read at any ordinary meeting of the Society unless it shall have been approved of by the Council, but this approval shall not be taken as expressing an opinion upon the statements made or the arguments used in such paper.

XII.—THE EXAMINERS.

62. To carry on the system of Examinations which the Society has established for the students of the Institutes in union with it, the Council shall, as soon as possible, appoint a Board of Examiners for 1875, and shall hereafter, at their first meeting after the Annual General Meeting in February, or as soon afterwards as may be, appoint a Board, or Boards of Examiners; and the Council shall have full power to fill up vacancies therein, and to enlarge, reduce, or otherwise vary the number of the Members thereof.

63. Every such Board for the time being, and from time to time, shall have power to appoint one of its own Members, being a Member of the Society of Arts, to be Chairman of such Board.

64. The Council may make such payments as they shall deem meet to those Examiners who shall set the Examination questions and pass judgment upon the answers; but no such payment shall be made to any Examiner being a Member of the Council.

65. Whenever it shall appear to the Council that any Examination,

commenced by a Board of Examiners, cannot be properly concluded, and the awards made by that Board, before the period at which its existence would naturally be determined, viz., at the Annual General Meeting in February, the Council shall report the same to that Meeting, and the Meeting may at once reappoint the said Board, and resolve that it shall continue in existence till its work is done, or till the new Council shall otherwise provide for the same.

XIII.—OF THE ADMISSION OF MEMBERS, ETC.

66. Candidates for admission as Members must be proposed and recommended by not less than three Members of the Society, according to the Form following:

“ We hereby propose and recommend ” [*here state Christian name, profession or business, and usual place of residence of the Candidate*] “ as a fit and proper person to become a Member of the Society for the Encouragement of Arts, Manufactures, and Commerce.” [*Here must follow the signatures of three Members of the Society, one of whom must have personal knowledge of the Candidate.*]

The paper thus signed shall be read at an Ordinary Meeting of the Society, and afterwards hung up in the Society's room until the second following Ordinary Meeting, when the Candidate shall be balloted for; and if three-fourths of the Members then balloting shall vote in his favor, he shall be declared elected a Member.

67. Every person so elected, on paying his first annual subscription, shall thereby become a Member of the Society, and his name shall be inscribed in the register of Members.

68. No person shall be entitled to any of the privileges of a Member until he shall have paid his annual subscription, or such other sum as is specified by these By-laws as a composition in lieu of annual subscriptions, and shall have signed the following Form:

“ I, the undersigned, having been elected a Member of the Society for the Encouragement of Arts, Manufactures, and Commerce, do hereby promise that I will submit and conform in all respects to, and be governed by, the terms and provisions of the Charter and the By-laws made in pursuance thereof; provided that whenever I shall signify in writing to the Secretary that I am desirous of ceasing to be a Member thereof, I shall be free from this obligation, after payment of any Annual Subscription or arrears which may be due from me at that period.”

69. The Annual Subscription of every Member shall be Ten Dollars at least.

70. Every member elected previous to the 1st day of January, 1876, shall continue to be liable to pay the same subscription or other

sum that he would have been liable to pay under the previous rules and regulations of the Society.

71. The annual subscription becomes due in advance, and is payable for each year at its commencement, such commencement to be reckoned from the quarter-day next preceding the day of election.

72. Any Member may commute or compound for all future payments, and become a Member for life, by payment of a sum of not less than one hundred dollars.

73. Ladies eminent in Literature and the Arts may be elected members.

74. The Council shall have power in each year to admit (five) persons, eminent in Arts, Manufactures, or Commerce, or in the applications of abstract science to the same, as Life Members of the Society, without the ordinary formalities of election, and without payment of any subscription whatever, and also five persons as yearly members without payment of dues for the year so elected.

75. Foreigners and persons not residing in the United States or Canadas, duly proposed and elected, may become Corresponding Members without payment of any subscription, and may attend, but not vote, at General or Ordinary Meetings.

76. Due notice of their election shall be sent immediately to the newly-elected Members, together with the form of assent (68) for signature.

77. Every Member shall continue such, and be liable to pay his subscription, until he shall have complied with the following by-law :

78. Any Member desirous of withdrawing from the Society must give notice in writing of his desire to that effect to the Secretary, and, on payment of all subscriptions and arrears which may be due from him up to that period, he shall thenceforth cease to be a member of the Society.

79. If the annual subscription of any Member residing in the United States shall be in arrear for three years, the Financial Officer shall give notice thereof to the Member, and, if the said subscription shall continue in arrear at the expiration of six months after such notice, the Council having, through the Secretary, given the defaulting Member due notice of their intention, shall have power to strike the name of such Member off the register, and he shall thereupon cease to be a Member of the Society.

80. Any person whose name shall have been struck off under the foregoing by-law may, on payment of his arrears, be readmitted by the Council.

81. It shall be the duty of the Treasurers to recover from persons who shall have ceased to be Members any arrears which may remain unpaid.

82. A meeting of the Council, consisting of not less than five Members, shall have power to remove any member from the Society, upon receiving a requisition to that effect, with the reasons stated, signed by not less than twenty Members of the Society.

83. Every Member whose subscription is not in arrear is entitled—
To be present at, and to take part in, the proceedings of all the Ordinary Meetings of the Society, and to introduce visitors at such Meetings, subject to such rules as the Council may frame from time to time.

To be present and to vote at the Annual and all other General Meetings of the Society.

To receive the Society's *Journal*.

To introduce, either personally or by note addressed to the Secretary, any number of friends to inspect the Society's House, between the hours of ten and four o'clock on any week-day except Tuesday, and such other days, and under such conditions, as the Council may direct.

To the use of the Society's library, and to borrow books therefrom, under such regulations as the Council shall from time to time prescribe.

The Society's house will be closed to visitors during the month of September.

XIV.—ASSOCIATED INSTITUTIONS.

84. The Council may admit into union with the Society Literary and Scientific Institutions, Philosophical Societies, Mechanics' Institutions, Chambers of Commerce, and other Societies whose primary object shall be the Promotion of Arts, Manufactures, and Commerce, in harmony with the objects of the Society.

XV.—UNION OF SCIENTIFIC AND LITERARY INSTITUTIONS.

85. Any Institution, established in the United States, Great Britain, or Canadas for the advancement of Literature and Science, or for the Encouragement of Arts, Manufactures, and Commerce, may be admitted into the Union.

86. It shall be the duty of the Officers of the Society of Arts to correspond with the Secretaries of such Associated Institutions on matters relating to the recognized objects.

87. The productions or manufactures of any section transmitted by an Associated Institution shall receive all due publicity by means of the Society's Exhibitions, Publications, and Discussions.

88. The weekly *Journal* of the Society, with its other publications, shall be duly forwarded to every Associated Institution, and a portion

of the columns of the *Journal* shall be reserved for their Discussions and Correspondence.

89. Whenever any member of an Associated Institution, bearing a letter of introduction from its Secretary, shall visit New York City, he may enjoy the usual privileges of a Corresponding Member of the Society of Arts during his stay, and may have his letters addressed to him at the Society's House.

90. The Council will afford their advice and assistance to any Associated Institution which may desire to obtain in the United States or Canadas any scientific or educational apparatus, and will obtain and furnish to any Associated Institution reports on any produce sent over for examination.

91. An Associated Institution shall have the privilege of purchasing books through the Society's agency on the same scale of reduction as is now granted to the American Society.

92. The system of examination proposed to be instituted by the Society of Arts shall be extended so as to embrace candidates who shall have duly attended classes at Associated Institutions, and certificates of merit shall be awarded by the Society's examiners on examination papers duly authenticated and remitted from the Associated Institutions.

93. A foreign institution may be admitted into union on the same terms as a Home Institution, namely, an annual payment of ten dollars.

XVI.—HONORARY LOCAL SECRETARIES.

94. To multiply the centres of the Society's operations, and to direct the energies of many who are prepared zealously to aid it, the Council may invite gentlemen of standing and of influence in their respective neighborhoods to undertake the office of Honorary Local Secretary of the Society of Arts.

95. The Honorary Local Secretaries shall receive the Society's *Journal* and other published documents from time to time; and the facilities of an office for receiving and forwarding letters, books, etc., shall be afforded them at the Society's house.

96. The Honorary Local Secretaries will be expected to advise the Council in such matters as may be submitted to them, and to afford generally their aid in promoting the objects of the Society.

97. The Honorary Local Secretaries shall go out of office annually, with the Council and Officers, but may be reappointed after the annual election of the Council of the Society. Their names shall be published with those of the President, the Council, the Board of Examiners, the Committees of Reference, and the Officers of the Society.



XVII.—ELECTION OF OFFICERS.

98. The President, the Vice-Presidents, the two Treasurers, and the thirty other members of the Council, the Auditors, the Secretary or Secretaries, and the Financial Officer, shall be elected annually by ballot at the Annual General Meeting for the election of Officers, as in Sec. IX. appointed to be held; and shall go out of office at the next Annual General Meeting.

99. Previous to the Annual General Meeting the Council shall, by ballot, prepare a list of persons to be President, Vice-Presidents, Treasurers, and other members of the Council, Auditors, Secretary or Secretaries, and Financial Officer, for the ensuing year, and such lists shall be framed as follows, viz.:

- a. To contain the name of one member of the Society as President.
- b. The names of twenty members of the Society as Vice-Presidents, provided that four at least shall not have served the office of Vice-President during the then current year.
- c. The names of two members of the Society as Treasurers for the ensuing year, provided that one of them shall not have served the office of Treasurer during the then current year.
- d. The names of not more than forty members of the Society as members of the Council for the ensuing year, provided that four at least of such persons shall not have served on the Council at any time during the then current year of office.
- e. The names of two members of the Society as Auditors for the ensuing year, provided that one of such members shall not have filled the office during the then current year.
- f. The names of the persons proposed respectively to fill the offices of Secretary and Financial Officer, one name for each office; such to be members of the Society.

100. The list so prepared shall be suspended in the Society's room for seven days previous to and until the General Meeting, and shall be the balloting-list at such General Meeting.

101. The balloting-list shall be published with the *Journal* of the Society on the Friday previous to the day of election, and a copy sent to every member of the Society.

102. The ballot shall be taken at the Annual General Meeting, and shall remain open not less than one hour, and shall take place in the following manner:

The Council shall cause to be provided for the use of members voting thereat a sufficient number of copies of the balloting-list; and no other balloting-lists than those provided shall be received.

Every member intending to vote at the election of members may, if he shall think fit, erase any name or names from such ballot-

ing-list, and may substitute in the place thereof the name or names of any other duly qualified person or persons, and shall hand in to the Chairman such balloting-list as aforesaid, either with or without such erasure and substitution of names.

On the receipt of such list from the voter, if the voter's qualification to vote be not objected to, or if objected to and the Chairman shall be satisfied that the voter is duly qualified, the Chairman shall deposit such list in the balloting-box. The decision of the Chairman in such matter shall be final.

Two Scrutineers, not being members of the Council, shall be nominated by the Chairman, who shall examine and cast up the votes, and report the names of the persons so elected and the numbers of the votes to the Chairman, who shall thereupon declare the same to the meeting.

Any balloting-list containing a greater number of names proposed for any office than the number to be elected to such office, shall be absolutely and wholly void, and shall be rejected by the Scrutineers.

If the votes in any case be equal, the Chairman shall give the casting vote.

103. In the event of a vacancy occurring in the Council, or in the office of Auditor, Secretary, or Financial Officer, the Council shall duly fill up the same till the next Annual General Meeting.

XVIII.—ALTERATION OF BY-LAWS.

104. By-laws may be altered, varied, or revoked, and new and other by-laws made, at General Meetings only.

105. No motion to alter, vary, or revoke any existing by-law, or make any new or other by-law, shall be entertained by a General Meeting unless the same shall have been proposed by the Council; or unless notice in writing, signed by twelve members, containing the substance of the proposed motion for altering, varying, revoking, or making any new or other by-law, shall have been given to the Secretary ten days at least previous to the holding of such General Meeting.

SOCIETY'S HOUSE, NEW YORK CITY, January, 1875.

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